

**NATIONAL AERONAUTICS AND SPACE ADMINISTRATION
SCIENCE, AERONAUTICS AND TECHNOLOGY
FISCAL YEAR 1998 ESTIMATES**

GENERAL STATEMENT

GOAL STATEMENT

The Science, Aeronautics and Technology appropriation provides funding for the research and development activities of NASA. This includes funds to extend our knowledge of the Earth, its space environment, and the universe; and to invest in new aeronautics and advanced space transportation technologies which support the development and application of technologies critical to the economic, scientific and technical competitiveness of the United States.

STRATEGY FOR ACHIEVING GOALS

Funding included in the Science, Aeronautics and Technology appropriation supports the program elements of NASA's four Enterprises:

Human Exploration of Space - uses the microgravity environment of space to conduct basic and applied research to understand the effect of gravity on living systems and to conduct research in the areas of fluid physics, materials science and biotechnology.

Space Science - seeks to answer fundamental questions concerning the galaxy and the universe; the connection between the Sun, Earth and heliosphere; the origin and evolution of planetary systems; and, the origin and distribution of life in the universe.

Mission to Planet Earth - to understand the total Earth system and the effects of natural and human-induced changes on the global environment.

Aeronautics and Space Transportation Technology - to pioneer high-payoff, critical technologies with effective transfer of design tools and technology products to industry and government.

Funding is also included to provide highly reliable, cost effective telecommunications services in support of NASA's science and aeronautics programs, and to conduct NASA's Agencywide university, minority university, and elementary and secondary school programs.

**NATIONAL AERONAUTICS AND SPACE ADMINISTRATION
SCIENCE, AERONAUTICS AND TECHNOLOGY**

FISCAL YEAR 1998 ESTIMATES

(IN MILLIONS OF REAL YEAR DOLLARS)

BUDGET PLAN (Millions of Real Year Dollars)	FY 1996	FY 1997	FY 1998
SCIENCE, AERONAUTICS AND TECHNOLOGY	5,670.4	5,453.1	5,642.0
<u>SPACE SCIENCE</u>	2,175.9	1,969.3	2,043.8
<u>LIFE AND MICROGRAVITY SCIENCES AND APPLICATIONS</u>	304.2	243.7	214.2
<u>MISSION TO PLANET EARTH</u>	1,360.8	1,361.6	1,417.3
<u>AERONAUTICS AND SPACE TRANSPORTATION TECHNOLOGY</u>	1,270.1	1,339.5	1,469.5
<u>MISSION COMMUNICATION SERVICES</u>	449.5	418.6	400.8
<u>ACADEMIC PROGRAMS</u>	109.9	120.4	96.4

NATIONAL AERONAUTICS AND SPACE ADMINISTRATION PROPOSED APPROPRIATION LANGUAGE SCIENCE, AERONAUTICS AND TECHNOLOGY

For necessary expenses, not otherwise provided for, in the conduct and support of science, aeronautics and technology research and development activities, including research, development, operations, and services; maintenance; construction of facilities including repair, rehabilitation, and modification of real and personal property, and acquisition or condemnation of real property, as authorized by law; space flight, spacecraft control and communications activities including operations, production, and services; and purchase, lease, charter, maintenance and operation of mission and administrative aircraft, [\$5,762,100,000] \$5,642,000,000 , to remain available until September 30, [1998] 1999. [Chapter VII of Public Law, 104-6 is amended under the heading, "National Aeronautics and Space Administration" by replacing "September 30, 1997" with "September 30, 1998" and "1996" with "1997"]. Under the heading, "National Aeronautics Facilities," NASA, in Public Law 103-327, as amended, delete "September 30, 1998" and insert "September 30, 1999"; delete "October 1, 1997" and insert "October 1, 1998".

For necessary expenses of certain space projects under development, to become available on October 1 of the fiscal year specified and remain available for that and the following fiscal year, as follows; for fiscal year 1998, \$457,000,000; for fiscal year 1999, \$504,900,000; for fiscal year 2000, \$253,800,000; for fiscal year 2001, \$149,700,000; and for fiscal year 2002,

\$25,800.000. (*Departments of Veterans Affairs and Housing and Urban Development, and Independent Agencies Appropriations Acts, 1997.*)

[For an additional amount for "Science, Aeronautics and Technology", \$5,000,000, to remain available until September 30, 1998.] (*Omnibus Consolidated Appropriations Act, 1997.*)

**NATIONAL AERONAUTICS AND SPACE ADMINISTRATION
SCIENCE, AERONAUTICS AND TECHNOLOGY
REIMBURSABLE SUMMARY**

(IN MILLIONS OF REAL YEAR DOLLARS)

BUDGET PLAN (In Millions of Real Year Dollars)	FY 1996	FY 1997	FY 1998
SCIENCE, AERONAUTICS AND TECHNOLOGY	421.4	689.7	656.8
SPACE SCIENCE	90.4	105.5	88.0
LIFE AND MICROGRAVITY SCIENCES AND APPLICATIONS	0.9	0.9	0.8
MISSION TO PLANET EARTH	260.5	488.9	486.5
AERONAUTICS AND SPACE TRANSPORTATION TECHNOLOGY	64.5	69.5	63.6
MISSION COMMUNICATION SERVICES	5.1	24.4	17.4
ACADEMIC PROGRAMS	--	0.5	0.5

Program		Total	Johnson Space Center	Kennedy Space Center	Marshall Space Center	Stennis Space Center	Ames Research Center
Space Science	1996	2,175,900	3,600	5,100	356,200	0	94,400
	1997	1,969,300	3,600	9,000	307,900	0	71,000
	1998	2,043,800	4,100	9,800	202,000	0	79,400
Life and Microgravity Sciences and Applications	1996	304,200	38,100	11,200	67,300	0	28,900
	1997	243,700	37,700	7,200	49,000	0	26,300
	1998	214,200	0	6,400	45,800	0	21,500

Mission to Planet Earth	1996	1,360,800	100	4,900	4,200	17,200	38,100
	1997	1,361,600	0	4,700	5,400	66,200	8,200
	1998	1,417,300	0	6,600	4,000	16,200	5,500
Aeronautical Research and Technology	1996	865,900	0	0	5,008	0	203,388
	1997	844,200	0	0	3,856	0	186,560
	1998	920,100	0	0	3,865	0	220,349
Advanced Space Transportation Technology	1996	234,000	900	300	147,600	46,400	7,700
	1997	336,700	3,000	100	274,200	6,900	8,600
	1998	396,600	2,400	400	340,800	10,300	6,800
Commercial Technology	1996	170,200	24,300	5,700	23,200	4,000	14,100
	1997	158,600	17,800	6,500	30,900	4,100	15,600
	1998	152,800	17,600	6,800	34,900	4,400	15,100
Total Aeronautics & Space Transportation Technology	1996	1,270,100	25,200	6,000	175,808	50,400	225,188
	1997	1,339,500	20,800	6,600	308,956	11,000	210,760
	1998	1,469,500	20,000	7,200	379,565	14,700	242,249
Mission Communication Services	1996	449,500	0	0	3,000	0	0
	1997	418,600	8,200	0	1,300	0	0
	1998	400,800	0	0	2,100	0	0
Academic Programs	1996	109,900	2,169	1,134	3,344	1,467	4,247
	1997	120,400	4,438	1,939	4,765	2,714	7,241
	1998	96,400	2,230	1,430	4,550	2,100	6,400
TOTAL SCIENCE AERONAUTICS AND TECHNOLOGY	1996	5,670,400	103,969	28,334	609,852	69,067	390,835
	1997	5,453,100	75,138	29,439	677,321	79,914	323,501
	1998	5,642,000	64,030	31,430	638,015	33,000	355,049